

a tubular body having a lumen extending from a first end thereof to a second end thereof, the lumen having an external opening adjacent the first end for dispensing a diagnostic fluid into the interior of a subject uterus; and

a balloon disposed marginally adjacent to the first end of the body for fluid sealing the interior of the subject uterus;

the lumen having a second opening in fluid communication with the interior of the balloon for inflation thereof with the diagnostic fluid;

wherein the external opening adjacent the first end generates a back-flow within the lumen which causes the fluid to enter and inflate the balloon through the second opening.

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9.(AMENDED) A catheter apparatus useful for non-surgical entry into a uterus to dispense a diagnostic fluid therein, the catheter apparatus comprising:

a catheter;

a syringe for delivering the diagnostic fluid into the catheter;

the catheter having a balloon disposed marginally adjacent to a first end thereof for fluid sealing the interior of the subject uterus, a lumen extending from the first end to a second end of the catheter, the lumen having an external opening adjacent the first end for dispensing the diagnostic fluid into the interior of a subject uterus and a second opening in fluid communication with the interior of the balloon for inflation thereof with the diagnostic fluid;

wherein the external opening adjacent the first end generates a back-flow within the lumen which causes the fluid to enter and inflate the balloon through the second opening.

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Please add the following claims:

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22.(NEW) The catheter according to claim 1, wherein the external opening has a predetermined area and the second opening has a predetermined area, the predetermined area of the second opening being greater than the predetermined area of the external opening.

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23.(NEW) The catheter apparatus according to claim 9, wherein the external opening has a predetermined area and the second opening has a predetermined area, the predetermined area of the second opening being greater than the predetermined area of the external opening.

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